

Water-Data Report 2008

01411330 BEACH THOROFARE AT MARGATE, NJ

BEACH THOROFARE

LOCATION.--Lat 39°20'15", long 74°30'47" referenced to North American Datum of 1983, Margate Borough, Atlantic County, NJ, Hydrologic Unit 02040302, on pier near southeast end of toll bridge on Margate-Northfield Road (County Route 563) at western edge of Margate, 500 ft east of Pork Island, and 3.2 mi northeast of Great Egg Harbor Inlet.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, June 1997 to March 2000. Continuous-record tide gage, April 2000 to current year.

REVISED RECORDS.--WDR NJ-02-1:2001.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929, add 1.30 ft. To determine approximate elevations to Mean Lower Low Water datum, add 2.49 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record on short portions of some days. Summaries for months with short periods of missing gage-height record have been estimated with little or no loss of accuracy. Some periods cannot be estimated and are noted by dashed (--) lines. Satellite stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 4.52 ft, Oct 7, 2006; minimum elevation recorded, -5.24 ft, Mar 9, 2005, although a lower tide may have occurred during period of partially missing record on Feb 17, 2007.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 9.8 ft (from high-water mark near the intersection of Washington and Atlantic Avenues in Margate, adjusted to NAVD of 1988), Mar 6 or 7, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 4.30 ft, May 12; minimum elevation recorded, -5.09 ft, Mar 9.

Statistics of Tide Elevations, in feet
Water Year October 2007 to September 2008

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	2.08	0.16	-1.78
November	1.82	-0.11	-2.03
December	1.64	-0.29	-2.24
CALENDAR YEAR 2007	1.75	-0.15	-2.10
January	1.51	-0.36	-2.25
February	1.50	-0.44	-2.39
March	1.54	-0.34	-2.23
April	1.95	0.04	-1.88
May	2.23	0.31	-1.64
June	1.92	-0.03	-2.00
July	1.83	-0.12	-2.08
August	2.05	0.07	-1.91
September	2.21	0.33	-1.61
WATER YEAR 2008	1.86	-0.07	-2.00

01411330 BEACH THOROFARE AT MARGATE, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[*e*, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	October				November				December			
1	2.72	0.11	-2.05	2.00	-0.28	-2.12	0.46	-1.37	-3.20	1.18	-0.44	-2.31
2	2.55	0.15	-1.81	2.46	0.48	-1.27	1.47	-0.36	-1.92	1.03	-0.97	-2.64
3	2.30	0.10	-1.71	3.79	1.92	-0.43	1.76	-0.60	-3.21	1.50	-0.66	-2.23
4	2.16	0.08	-1.80	2.02	0.10	-2.21	0.15	-1.57	-3.12	1.62	-0.90	-3.10
5	1.97	-0.06	-1.86	1.70	-0.20	-2.18	1.29	---	-2.08	0.70	-1.23	-2.87
6	2.08	-0.05	-1.82	2.49	-0.05	-2.16	2.07	-0.13	-1.77	1.52	-0.59	-2.30
7	2.62	0.19	-1.89	1.52	-0.50	-2.45	1.90	-0.45	-2.29	2.25	-0.30	-2.26
8	2.30	0.37	-1.66	2.20	-0.06	-2.24	1.81	-0.73	-2.64	2.16	-0.47	-2.53
9	3.22	0.72	-1.86	2.44	0.09	-1.92	2.02	-0.66	-2.73	2.35	-0.57	-2.90
10	3.07	1.02	-0.96	2.77	0.56	-1.64	2.39	-0.25	-2.31	2.12	-0.62	-2.80
11	3.31	0.98	-1.11	2.78	0.48	-1.36	2.38	-0.22	-2.23	2.56	-0.06	-2.31
12	2.28	0.27	-1.80	2.12	-0.27	-2.25	1.90	-0.79	-2.92	2.27	-0.15	-2.26
13	2.51	0.25	-1.63	2.26	-0.19	-1.90	2.47	-0.15	-2.41	2.46	0.19	-1.79
14	2.19	-0.08	-1.84	2.28	0.01	-1.72	2.33	-0.01	-1.97	2.76	0.73	-1.45
15	2.16	-0.06	-1.63	2.16	-0.11	-1.58	2.08	-0.12	-2.06	2.10	-0.21	-2.47
16	1.99	-0.11	-1.73	1.29	-0.85	-2.64	3.68	1.22	-1.21	1.39	-0.79	-2.87
17	2.01	-0.01	-1.45	1.22	-0.92	-2.44	0.89	-1.90	-3.86	1.95	0.08	-1.51
18	2.11	0.08	-1.38	1.86	-0.14	-1.70	0.79	-1.21	-3.01	3.18	0.09	-2.58
19	2.38	0.39	-1.05	2.14	0.36	-1.55	1.72	-0.34	-2.45	1.83	-0.51	-2.57
20	2.17	0.13	-1.95	2.16	0.12	-2.25	2.37	-0.11	-2.40	2.37	-0.58	-2.62
21	1.72	-0.40	-2.28	2.40	0.20	-2.18	2.90	0.78	-1.35	1.62	---	-3.69
22	2.03	-0.26	-2.07	2.97	0.23	-3.09	3.52	0.62	-1.82	2.20	-0.86	-3.50
23	2.33	-0.03	-2.38	2.92	-0.14	-2.60	3.34	0.49	-2.10	2.23	-0.72	-3.29
24	2.53	-0.10	-2.70	2.88	-0.25	-2.94	2.95	-0.40	-2.91	2.50	-0.34	-3.17
25	3.44	0.98	-2.35	2.68	-0.47	-3.13	2.20	-0.96	-3.76	2.15	-0.58	-2.93
26	3.83	0.99	-1.75	2.69	-0.30	-3.04	2.71	-0.01	-3.09	1.90	-0.48	-2.61
27	3.62	0.37	-2.43	2.28	-0.83	-3.31	3.56	0.86	-1.40	2.26	0.33	-1.60
28	2.72	-0.33	-2.78	1.90	-1.06	-3.76	2.14	-0.11	-2.13	2.62	0.91	-0.82
29	2.94	-0.14	-2.46	2.10	-0.53	-2.47	2.09	0.00	-2.08	2.28	0.37	-1.28
30	2.35	-0.42	-2.59	1.69	-0.84	-2.59	1.50	-0.15	-2.00	1.89	-0.54	-2.38
31	2.29	-0.28	-2.22	---	---	---	2.48	-0.12	-2.06	0.46	-1.01	-2.30
Max	3.83	1.02	-0.96	3.79	1.92	-0.43	3.68	1.22	-1.21	3.18	0.91	-0.82
Min	1.72	-0.42	-2.78	1.22	-1.06	-3.76	0.15	-1.90	-3.86	0.46	-1.23	-3.69

01411330 BEACH THOROFARE AT MARGATE, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	February			March			April			May		
1	1.51	0.27	-1.24	1.32	-0.55	-2.01	1.39	-0.66	-2.58	1.91	0.13	-1.91
2	1.26	-1.11	-2.80	0.61	-1.13	-2.46	0.67	-1.07	-2.94	2.50	0.29	-2.09
3	1.04	-0.98	-2.69	1.14	-0.71	-2.23	1.42	-0.81	-2.91	3.41	0.79	-1.73
4	1.80	-0.38	-1.93	1.50	-0.57	-2.32	2.26	-0.33	-2.98	3.23	0.59	-2.16
5	2.29	-0.12	-2.29	2.17	-0.13	-2.15	2.65	-0.03	-2.75	3.24	0.17	-2.50
6	2.58	-0.08	-2.36	2.26	-0.31	-2.70	3.78	0.57	-2.54	3.21	0.05	-2.60
7	2.60	0.07	-2.28	2.81	0.16	-2.71	3.88	0.96	-1.62	3.30	0.06	-2.46
8	3.12	0.32	-2.15	2.64	0.16	-2.32	3.15	0.67	-1.92	2.81	-0.14	-2.55
9	2.61	0.04	-2.46	0.36	-2.23	-5.09	1.80	-0.02	-2.35	2.21	0.42	-2.29
10	2.55	-0.46	-2.90	1.62	-1.34	-4.53	2.85	-0.21	-2.28	3.84	0.92	-1.31
11	0.28	-2.03	-4.53	1.60	-0.63	-3.13	2.44	-0.10	-2.15	2.84	0.97	-1.38
12	0.54	-1.30	-3.70	2.49	-0.30	-2.52	2.65	0.12	-1.70	4.30	2.79	1.12
13	2.31	0.18	-1.61	1.96	-0.34	-2.45	2.32	0.11	-1.74	3.61	1.50	-0.64
14	2.51	-0.21	-2.45	2.50	0.11	-1.74	2.19	0.11	-1.98	2.37	0.65	-1.38
15	1.82	-0.84	-3.02	2.73	0.52	-1.49	1.75	-0.17	-2.00	2.44	0.55	-1.37
16	1.73	-0.68	-2.63	3.13	0.88	-0.80	1.72	-0.27	-2.39	2.84	0.66	-1.39
17	2.30	-0.15	-2.20	2.02	0.08	-1.80	2.19	0.07	-2.07	2.48	0.61	-1.28
18	2.50	-0.07	-2.08	2.56	0.61	-1.80	2.28	0.20	-1.86	2.83	0.43	-1.79
19	2.20	-0.70	-2.96	3.13	0.96	-1.30	2.41	0.00	-2.12	2.30	0.10	-1.86
20	1.67	-1.07	-3.89	2.33	0.24	-2.17	2.75	0.19	-1.99	2.82	0.15	-1.99
21	1.78	-0.78	-3.35	1.05	-1.14	-3.66	2.60	0.38	-1.63	2.67	0.30	-1.54
22	2.31	-0.16	-3.01	1.97	-0.92	-3.67	2.31	0.06	-1.75	2.33	0.01	-1.72
23	2.43	0.09	-2.28	1.93	-0.45	-2.75	2.14	-0.18	-1.92	2.27	-0.22	-2.07
24	1.91	-0.18	-2.19	1.84	-0.51	-2.46	2.11	-0.33	-1.98	2.27	0.00	-1.80
25	1.57	-0.55	-2.38	2.06	-0.27	-2.32	1.00	-0.08	-1.79	1.05	-0.08	-1.78
26	1.53	-0.06	-2.05	0.28	-0.73	-2.49	2.17	0.40	-1.41	2.03	-0.27	-1.98
27	2.25	-0.18	-1.97	1.48	-0.46	-2.04	2.39	0.52	-0.93	1.47	-0.58	-2.45
28	1.05	-1.08	-2.68	1.80	-0.17	-1.59	2.29	0.62	-0.83	1.48	-0.23	-1.97
29	0.74	-0.56	-1.87	1.62	-0.43	-1.88	2.32	0.35	-1.29	1.46	-0.39	-2.28
30	---	---	---	1.24	-0.52	-1.76	2.06	0.14	-1.61	1.73	-0.47	-2.63
31	---	---	---	1.17	-0.47	-1.89	---	---	---	2.16	-0.13	-2.39
Max	3.12	0.32	-1.24	3.13	0.96	-0.80	3.88	0.96	-0.83	4.30	2.79	1.12
Min	0.28	-2.03	-4.53	0.28	-2.23	-5.09	0.67	-1.07	-2.98	1.05	-0.58	-2.63

01411330 BEACH THOROFARE AT MARGATE, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[*e*, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	June			July			August			September		
1	2.74	-0.12	-2.60	2.98	0.05	-2.38	3.16	0.24	-2.26	2.31	-0.04	-2.33
2	2.92	-0.03	-2.66	2.84	-0.14	-2.66	2.97	0.23	-2.15	2.36	0.10	-2.24
3	3.13	-0.09	-2.73	2.68	-0.33	-2.83	2.58	0.11	-2.29	2.73	0.46	-1.46
4	3.27	-0.07	-2.77	2.92	-0.34	-3.02	2.28	-0.06	-2.34	2.13	0.03	-1.71
5	3.06	-0.04	-2.45	2.74	-0.06	-2.41	2.20	0.09	-2.17	1.89	-0.13	-1.84
6	2.82	-0.12	-2.46	1.83	-0.08	-2.28	2.20	0.20	-1.71	2.55	---	-1.33
7	1.54	-0.29	-2.56	2.48	-0.17	-2.25	2.29	0.32	-1.54	1.83	---	-1.82
8	2.39	-0.30	-2.54	1.95	-0.33	-2.38	2.27	0.26	-1.47	1.74	-0.23	-1.51
9	2.28	-0.08	-2.28	1.46	-0.37	-2.35	2.08	0.15	-1.49	1.73	0.00	-1.54
10	2.00	0.02	-2.08	1.82	-0.19	-2.03	2.27	---	-1.35	2.14	0.11	-1.44
11	1.85	-0.02	-2.06	1.92	-0.07	-1.79	2.08	---	-1.29	2.01	0.01	-1.54
12	1.67	-0.22	-2.10	1.77	-0.09	-1.67	2.13	0.12	-1.39	2.25	-0.01	-1.75
13	1.73	-0.25	-2.08	2.12	0.04	-1.56	2.42	0.07	-1.56	2.42	0.00	-2.01
14	2.14	-0.09	-1.88	2.14	0.02	-1.70	2.52	0.20	-1.58	2.69	0.29	-1.97
15	2.54	0.27	-1.69	2.23	-0.03	-1.73	2.63	0.24	-1.73	2.32	-0.07	-2.44
16	2.53	0.35	-1.46	2.36	-0.06	-1.81	2.44	0.00	-2.04	2.54	0.04	-2.52
17	2.57	0.24	-1.72	2.36	-0.12	-1.99	2.47	-0.10	-2.22	2.65	0.16	-2.20
18	2.60	0.27	-1.62	2.29	-0.23	-2.08	2.36	-0.21	-2.34	2.65	0.13	-2.24
19	2.66	0.17	-1.62	2.19	-0.33	-2.26	2.15	-0.22	-2.42	3.34	0.77	-1.56
20	2.43	0.01	-1.81	2.25	-0.34	-2.40	2.35	0.01	-2.08	2.90	0.53	-1.52
21	2.28	-0.11	-1.96	2.39	-0.11	-2.22	2.01	-0.30	-2.42	2.45	0.08	-1.78
22	1.21	-0.14	-2.01	1.75	-0.06	-2.08	2.10	-0.29	-2.47	2.49	0.15	-1.97
23	2.33	-0.02	-1.82	2.18	-0.05	-2.17	2.21	-0.21	-2.28	2.79	0.75	-1.05
24	2.22	e-0.2	-2.07	1.81	-0.19	-2.19	2.25	-0.09	-2.13	2.95	0.88	-0.93
25	1.82	-0.38	-2.29	1.90	-0.24	-2.25	2.34	-0.09	-2.00	3.75	1.57	-0.26
26	1.71	-0.22	-2.25	2.04	-0.23	-2.37	2.64	0.22	-1.54	3.23	1.38	-0.80
27	2.08	0.05	-1.96	2.48	-0.05	-2.15	2.84	0.26	-1.88	2.88	0.65	-1.69
28	2.37	0.17	-1.90	2.62	0.15	-2.07	3.00	0.33	-2.04	2.82	0.73	-1.49
29	2.64	0.18	-2.01	2.67	-0.01	-2.40	3.11	0.46	-1.96	2.83	0.52	-1.70
30	2.93	0.08	-2.38	3.04	0.05	-2.43	2.62	0.21	-2.28	2.77	0.45	-1.96
31	---	---	---	3.22	0.22	-2.28	2.47	0.02	-2.39	---	---	---
Max	3.27	0.35	-1.46	3.22	0.22	-1.56	3.16	0.46	-1.29	3.75	1.57	-0.26
Min	1.21	-0.38	-2.77	1.46	-0.37	-3.02	2.01	-0.30	-2.47	1.73	-0.23	-2.52

01411330 BEACH THOROFARE AT MARGATE, NJ—Continued